International application No.

# PCT/NZ2005/000023

A.	CLASSIFICATION OF SUBJECT MAT	TER		
Int. Cl. 7:	A61H 31/00, A62B 7/00, A62B 18/0	0, A611	M 16/00	
According to	International Patent Classification (IPC) o	r to bot	n national classification and IPC	
B.	FIELDS SEARCHED	•	-	•
Minimum docu	mentation searched (classification system follo	owed by	classification symbols)	
		4- 4h- av	tent that such documents are included in the fields sear	
Documentation	searched other than minimum documentation	to the ex	deir that such goodinents are included in the fields scare	
Electronic data	base consulted during the international search	(name o	of data base and, where practicable, search terms used)	
DWPI, USP	TO, eSPACE (IPC: A61H 18/-, A61M	1 16/-A. got. ans	62B; KEYWORDS: nose, nasal, nostril+, nagl+, tilt+, bend, bent, flar+, corrugat, ridg+, flar	so+, nare+, ang+. +band.
+strap, +han	•	D 0 0	<b>5.</b>	,,
C.	DOCUMENTS CONSIDERED TO BE REL	EVANT		
Category*	Citation of document, with indication,	whėre ap	propriate, of the relevant passages	Relevant to claim No.
	US 6679265 B2 (STRICKLAND et	t al.) 20	January 2004	
X	See figures 1 to 3 and item 26.			1 to 21
	US 6637434 B2 (NOBLE) 28 Octo	ber 200	93	
X	See figures 1 to 5B and items 36 an	d 46.		11 to 21
	TIG CCC1100 D1 (ETTTS) 12 May 2	<b>ሰበ</b> ፡፡		,
X	US 6561188 B1 (ELLIS) 13 May 2 See figures 1 to 5.	003	•	1 to 10
		1 0	0.00	
X	US 6478026 B1 (WOOD) 12 Nove See figures 1 to 4, column 1 lines 5			1 to 21
<b>.7</b>	Boo lighton i to i, column i initia			
		· · · · · · · · · · · · · · · · · · ·		
X	Further documents are listed in the cor	ntinuati	on of Box C X See patent family and	nex
* Special	categories of cited documents:	4+mm121	I to I would be a fact the internal filing date or	priority data and not in
"A" docume	ent defining the general state of the art which is sidered to be of particular relevance	пŢп	later document published after the international filing date or conflict with the application but cited to understand the princ	iple or theory
"E" earlier a	application or patent but published on or after the	"X"	underlying the invention document of particular relevance; the claimed invention cann	ot be considered novel
internat	tional filing date		or cannot be considered to involve an inventive step when th alone	•
"L" docume	ent which may throw doubts on priority claim(s) the is cited to establish the publication date of	пХп	document of particular relevance; the claimed invention cann involve an inventive step when the document is combined wi	th one or more other
another	citation or other special reason (as specified) ent referring to an oral disclosure, use, exhibition		such documents, such combination being obvious to a person	skilled in the art
or other	r means	"&"	document member of the same patent family	
	ent published prior to the international filing date er than the priority date claimed			
•	tual completion of the international search	7	Date of mailing of the international search report  1 3 MAY 2005	•
9 May 2005			Authorized officer	
	iling address of the ISA/AÜ		/ LUCITOTIZOG OTLIOO!	
PO BOX 200,	N PATENT OFFICE WODEN ACT 2606, AUSTRALIA		PETER T. WEST	
	s: pct@ipaustralia.gov.au (02) 6285 3929		Telephone No: (02) 6283 2108	
A MUDILLIAU A TVA		<u></u>		

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.				
X	US 5595174 A (GWALTNEY) 21 January 1997 See figures 3 to 5 and item 18.					
X.	US 4782832 A (TRIMBLE et al.) 8 November 1988 See figures 1 and 9 and item 62.	1 to 21				
. X	US 4753233 A (GRIMES) 28 June 1988 See figures 1 and 2.	1 to 10				
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This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:  1. Claims Nos.:  because they relate to subject matter not required to be searched by this Authority, namely:
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to the state of th
· ·
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2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
See Supplemental Sheet.
As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
As all gostabable claims could be searched without effort justifying an additional fee, this Authority did not invite
2. X As all searchable claims could be searched without effort justifying an additional fee, this Authority did not mytte payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
No required additional search fees were timely paid by the applicant. Consequently, this international search report is
restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Domonik on Protect
Remark on Protest  The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

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Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

Continuation of Box No: III (Observations where unity of invention is lacking)

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked as to form a single general inventive concept. In coming to this conclusion the International Searching Authority has found that there are different inventions as follows:

- 1. Claims 1 to 10 are directed to a breathing apparatus comprising, inter alia, a nasal cannula shaped to fit within a user's nares and including at least one prong that is capable of high flow delivery of gasses and which creates a positive airway pressure in the user's airway and which has an angled end such that in use gasses flowing through the prong are directed to the user's nasal passages. It is considered that such an angled end comprises a first "special technical feature".
- Claims 11 to 20 are directed to a breathing apparatus comprising, inter alia, a nasal cannula shaped to fit within a user's nares and including at least one prong that is capable of high flow delivery of gasses and which creates a positive airway pressure in the user's airway and which has an end that is flared outwardly. It is considered that such an outward flare comprises a second special technical feature.

These groups are not so linked as to form a single general inventive concept, that is, they do not have any common inventive features, which define a contribution over the prior art. The common concept linking together these groups of claims is a nasal cannula including at least one prong that is capable of high flow delivery of gasses and which creates a positive airway pressure in the user's airway. However this concept is not novel in the light of US 6679265 B2 (STRICKLAND et al.) 20 January 2004 for example. Therefore these claims lack unity a posteriori.

Information on patent family members

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

	t Document Cited in Search Report		•	Pate	ent Family Member	,	·
ÚS	6679265	AU	2002342108	CA	2462685	CN	1533288
		EP	1438086	US	2003079749	US	2004134498
		ŴΟ	03035141				,
US	6637434	AU	2003280110	US	6561193	US	6848446
		US	2002162558	US	2004103899	WO	2004002560
US	6561188			-	•		
US	6478026	AU	13555/02	CA	2364183	CA.	2368825
		ĊA	2416410	EP	1317940	EP	1317941
		US	6595215	US	6776162	US	6807967
		US	6863069	US	2002059935	US	2002092527
	n	US	2003116163	US	2004020493	US	2004104367
,		US	2005028823	US	2005034730	US	2005039757
US	5595174	**			4	······································	
US	4782832						
US	4753233		·				

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX